MA.02-4

October 18, 1976

Ed Jascewsky
Safety Division
Chicago Operations Office

MIT CONTRACT INFORMATION

During the discussions on October 8, 1976, you inquired about information relative to work done by MIT as background information for survey planning. The enclosed information is paraphrased from an unpublished history of program work carried out by the Process Development Group of the Division of Raw Materials. I believe this work was done under contract number AT(30-1)956.

/s/
Robert E. Allen
Process Facilities Safety Branch
Division of Safety, Standards,
and Compliance

Enclosure:
As stated

OFFICE ➤	SSC:PFS	SSC:PFS				
SURNAME ➤	REAllen/mcb	EKLoop				
DATE ➤	10/18/76	10/18/76				

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MIT, Cambridge, Massachusetts
and MIT, Watertown Arsenal, Massachusetts

Dr. A. M. Gaudin, MIT, did contract work on African ores for AEC-DRM from 1944 to 1951. His first work was conducted at the main building at MIT, Cambridge (Hood Building ?). This work was then moved to the Watertown Arsenal. In 1950, authorities (MIT ?) decided the work by Professor Gaudin was not of a fundamental nature and not a proper function for an educational institution.

A modified ion exchange technique for production of U_3O_8, which employed a fluidized bed system known as resin-in-pulp (RIP), was developed by Dr. Gaudin and his group in 1951 when American Cyanamide took charge of the Watertown Arsenal activities. At that time, the Korean War was underway and the Commanding Officer at the Arsenal felt he needed the very small amount of space devoted to the AEC effort. AEC funds were then appropriated for the construction of a facility at Winchester, Mass. by American Cyanamide. The new laboratory was completed in 1953. In 1954, the National Lead Company assumed operation of the Winchester, Massachusetts laboratory.